

ATTACHMENT 1

Flap/Slat Electronic Unit Faults Recorded During Final Flight Leg

FSEU Final Leg Faults

FAULT DATA BLOCK								
FAULT_ID	29 (0x1D)	40 (0x28)	14 (0xE)	46 (0x2E)	45 (0x2D)	116 (0x74)	46 (0x2E)	45 (0x2D)
FAULT_NAME	le_multiple_prox_fault	te_flaps_snsr_r_fault	le_slats_inbd_snsr_fault	r_exc_inv	l_exc_inv	l_le_slats_ext_ucm_fault	r_exc_inv	l_exc_inv
FAULT_DESCRIPTION	Signals from leading edge proximity sensors disagree with each other.	Signal from R TE flap posn xmtr disagrees with signals from L TE flap posn xmtr and TE flap skew snsrs.	Signal from LE Slat 5 inboard sensor disagrees with signals from other LE Slat inboard sensors.	excitation into the FSEU is too low or high to maintain the required sensor accuracy.	Left 28VAC excitation into the FSEU is too low or high to maintain the required sensor accuracy.	Uncommanded motion of left LE slats from the full extend position was detected.	excitation into the FSEU is too low or high to maintain the required sensor accuracy.	Left 28VAC excitation into the FSEU is too low or high to maintain the required sensor accuracy.
FAULT_STATE	Latched	Latched	Latched	Inactive	Inactive	Latched	Inactive	Inactive
FAULT_TYPE	Hard	Hard	Hard	Intermittent	Intermittent	Hard	Intermittent	Intermittent
INTERMITTENT_COUNTER	000	000	000	001	001	000	001	001
FAULT_TIME	008375;30	008375;30	008375;30	008375;30	008375;30	008375;30	008373;15	008373;15
FAULT_DATE	-	-	-	-	-	-	-	-
FLIGHT_LEG	-100	-100	-100	-100	-100	-100	-101	-101
FLIGHT_PHASE	In Air	In Air	On Ground	On Ground	On Ground	On Ground	On Ground	On Ground
SHOP_DATA	27-81224	27-52260	27-81209	27-53280	27-53279	27-81355	27-53280	27-53279
Time Detected	(elapsed) 008375;30	(elapsed) 008375;30	(elapsed) 008375;30	(elapsed) 008375;30	(elapsed) 008375;30	(elapsed) 008375;30	(elapsed) 008373;15	(elapsed) 008373;15
Frame Detected	26716	26669	26654	26606	26606	26605	7333	7333
Time First Intermittent	000000;00	000000;00	000000;00	008375;30	008375;30	000000;00	008373;15	008373
Frame First Intermittent	0	0	0	26609	26609	0	7336	7336
Hidden Fault Indicator	False	False	False	False	False	False	False	False
Airspeed	45.000 Knots	45.000 Knots	45.000 Knots	45.000 Knots	45.000 Knots	45.000 Knots	45.000 Knots	45.000 Knots
Altitude	618.000 Feet	618.000 Feet	618.000 Feet	616.000 Feet	616.000 Feet	614.000 Feet	148.000 Feet	148.000 Feet
Air/Ground	In Air	In Air	On Ground	On Ground	On Ground	On Ground	On Ground	On Ground
Autoslat Command	No	No	No	No	No	No	No	No
TE Flap Load Relief	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive	Inactive
TE Flap Bypass Relay	On	On	On	Off	Off	On	Off	Off
Alternate Mode	Not Armed	Not Armed	Not Armed	Not Armed	Not Armed	Not Armed	Not Armed	Not Armed
LE In Transit	Yes	Yes	Yes	No	No	No	No	No
Takeoff Warning	Yes	Yes	Yes	No	No	Yes	Yes	Yes
LE Prox Sensor	N/A for this fault	N/A for this fault	Is Not Intermittent	N/A for this fault	N/A for this fault	N/A for this fault	N/A for this fault	N/A for this fault
Master Extend	No	No	No	Yes	Yes	Yes	No	No
Master Intransit	In Transit	In Transit	In Transit	Not In Transit	Not In Transit	Not In Transit	Not In Transit	Not In Transit
LE UCM Detected	Yes	Yes	Yes	No	No	No	No	No
LE UCM Shutoff Activated	No	No	No	No	No	No	No	No
LE Cruise Depressurized	No	No	No	No	No	No	No	No
TE Flap Skew Sensor 1	231.766 Degrees	231.750 Degrees	231.750 Degrees	-88.000 Degrees	-88.000 Degrees	232.531 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 2	290.547 Degrees	290.516 Degrees	290.516 Degrees	-88.000 Degrees	-88.000 Degrees	290.172 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 3	298.563 Degrees	298.563 Degrees	298.563 Degrees	-88.000 Degrees	-88.000 Degrees	298.359 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 4	275.313 Degrees	275.313 Degrees	275.313 Degrees	-88.000 Degrees	-88.000 Degrees	274.516 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 5	85.313 Degrees	85.313 Degrees	85.313 Degrees	-88.000 Degrees	-88.000 Degrees	85.359 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 6	61.344 Degrees	61.391 Degrees	61.344 Degrees	-88.000 Degrees	-88.000 Degrees	60.813 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 7	71.078 Degrees	71.156 Degrees	71.219 Degrees	-88.000 Degrees	-88.000 Degrees	72.188 Degrees	-88.000 Degrees	-88.000 Degrees
TE Flap Skew Sensor 8	127.500 Degrees	127.453 Degrees	127.672 Degrees	-88.000 Degrees	-88.000 Degrees	130.297 Degrees	-88.000 Degrees	-88.000 Degrees
Lever Position	108.484 Degrees	108.484 Degrees	108.484 Degrees	-88.000 Degrees	-88.000 Degrees	108.516 Degrees	-88.000 Degrees	-88.000 Degrees
Lever Detent	Flaps 40	Flaps 40	Flaps 40	Invalid	Invalid	Flaps 40	Invalid	Invalid
TE Flaps Commanded Posn	Flaps 40	Flaps 40	Flaps 40	Invalid	Invalid	Flaps 40	Invalid	Invalid
	Left	Right						
Excitation Power	In Range In Range	In Range In Range	In Range In Range	Out Of Range Out Of Range	Out Of Range Out Of Range	In Range In Range	Out Of Range Out Of Range	Out Of Range Out Of Range
Flap Position (degrees)	270.266 185.078 deg	270.266 185.109 deg	270.266 185.109 deg	-88.000 -88.000 deg	-88.000 -88.000 deg	270.000 185.016 deg	-88.000 -88.000 deg	-88.000 -88.000 deg
LE Slat Inboard	Far Far Far Far Far Far	Far Far Far Far Far Far	Far Far Far Far Far Far	Far Far Far Far Far Far	Far Far Far Far Far Far	Far Far Far Far Far Far	Near Far Far Far Far Far Far	Near Far Far Far Far Far Far
LE Slat Outboard	Near Far Far Near Marginal Far Near Near	Near Far Far Near Marginal Far Near	Near Far Far Near Marginal Far Near	Near Far Far Near Near Near Near Near	Near Far Far Near Near Near Near Near	Near Far Far Near Near Near Near Near	Near Far Far Far Far Far Far Far	Near Far Far Far Far Far Far Far
LE Slat Retracted	- Far Far Far Far Far Far	- Far Far Far Far Far Far	- Far Far Far Far Far Far	- Far Far Far Far Far Far	- Far Far Far Far Far Far	- Far Far Far Far Far Far	- Near Near Near Near Near Near	- Near Near Near Near Near Near
LE Flap Extended	Near Near Far Far - - -	Near Near Far Far - - -	Near Near Far Far - - -	Near Near Near Near - - -	Near Near Near Near - - -	Near Near Near Near - - -	Far Far Far Far - - -	Far Far Far Far - - -
LE Flap Retracted	Far Far Far Far - - -	Far Far Far Far - - -	Far Far Far Far - - -	Far Far Far Far - - -	Far Far Far Far - - -	Far Far Far Far - - -	Near Near Near Near - - -	Near Near Near Near - - -